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Figure 2

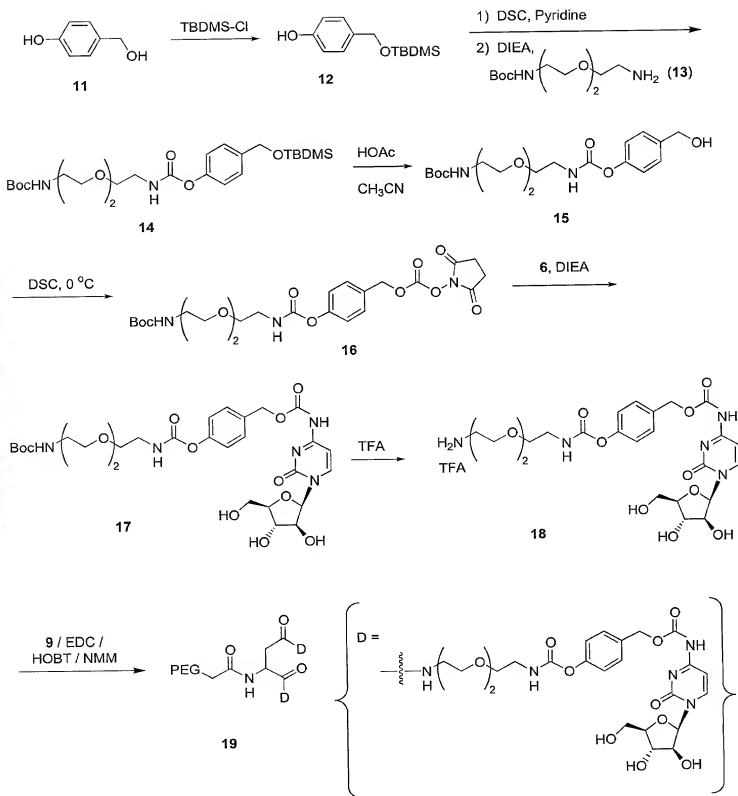
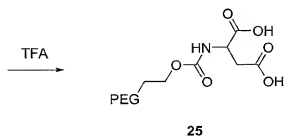
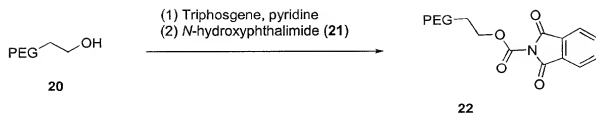


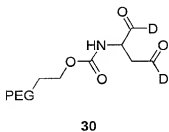
Figure 3



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The figure consists of nine sub-diagrams labeled \$t=0\$ through \$t=90\$. Each sub-diagram shows a cross-section of a vortex core with various parameters indicated:

- \$t=0\$**: Shows a single circular core. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=10\$**: The core begins to elongate. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=20\$**: Further elongation. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=30\$**: Core starts to develop internal structure. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=40\$**: Core is becoming more irregular. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=50\$**: Core is highly elongated. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=60\$**: Core is splitting. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=70\$**: Two distinct cores are forming. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=80\$**: Two well-separated cores. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.
- \$t=90\$**: Two fully formed, separate vortex cores. Parameters include \$r_{max}=1.0\$, \$r_{min}=0.0\$, and \$\theta=0^\circ\$.



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